

# Camlab Limited – Material Safety Data Sheet

## 1. Identification


Product Code CC/1579-CO

Product Name **CALCIUM OXIDE POWDER pure**

Molecular Formula **CaO =56.08**

CAS Number **1305-78-8**

Supplier: **CAMLAB LIMITED**  
**Norman Way Industrial Estate**  
**Over**  
**Cambridge**  
**England**  
**CB4 5WE**



Phone **01954 233110**

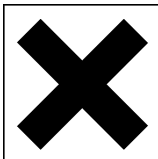
Fax **01954 233101**

Emergency Telephone **08:00-17:00 01954 233110**  
**24hr 112**  
**(Have this document to hand)**

## 2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Calcium oxide	1305-78-8	215-138-9	> 95.0%	Xn : R41	WEL

## 3. Hazards Identification



Risk of serious damage to eyes.

## 4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION URGENTLY.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion If conscious give plenty of water to drink. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION.

## 5. Fire Fighting Measures

Hazards Presents no specific fire danger.

Extinguishing Media Dry chemical powder.

Unsuitable Media If water is used it should be in a large excess to minimise exothermic reactions.

## 6. Accidental Release Measures

Personal Protection Use approved personal protective equipment. Avoid breathing dust. Do not allow general use of area until it is safe to do so.

Environmental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash to drain with copious amounts of water.

## 6. Accidental Release Measures (continued)

Minor Spillage            Wash to drain with copious amounts of water.

## 7. Storage & Handling

Handling Precautions    Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.  
  
                                  Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

Storage Conditions      Well ventilated, cool, dry storage . Protect against ingress of moisture.

## 8.1 Workplace Exposure Limits

Workplace Exposure Limits	Long Term (8hr TWA):	-	ppm	2.000	mg m-3
	Short Term (15min Period):	-	ppm	-	mg m-3

## 8.2 Personal Protection

Respiratory            Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus.

Hands                    Use nitrile gloves or PVC gauntlets.

Eyes                     Use chemical splash proof glasses or goggles.

Skin                      Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	Fine dry white powder.
Odour	Odourless.
pH	12 @ 20 °C
Boiling point	2850.0 °C
Melting point	2600.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	3.3700 °C
Water Solubility	Contact with water will generate considerable heat.

## 10. Stability & Reactivity

Chemical Stability      Stable under normal conditions

Conditions to Avoid    Avoid contact with water or water vapour.

Materials to Avoid      Reaction with water may generate sufficient heat to ignite combustible material.

Hazardous                May produce hazardous fumes if involved in a fire.

Decomposition Products

## 11. Toxicological Information

Eyes                      Contact with the solid or dust will be irritating to the eyes, and may cause burns and corneal opacification.

Skin                        Contact with the solid or dust will be irritating to the skin. Repeated exposure may cause dermatitis.

LD50 Skin                Not available

Ingest                     Causes severe corrosion of the mouth, throat and gastro-intestinal tract.

## 11. Toxicological Information (continued) oat and gastro-intestinal tract.)

LD50 Ingest	Not available
Inhalation	Prolonged exposure to dust or fume concentrations above the occupational exposure limits will produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	No information is available.
Mutagenicity	No information is available.
Reproductive Effects	No information is available.

## 12. Ecological

Small amounts present no specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods	Dilute in a large excess of water and carefully neutralise with an acid, then wash to drain with copious amounts of water
Contaminated Packaging	Wash out containers with water.

## 14. Transport Information

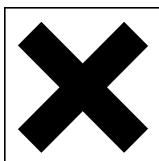
Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

## 15. Regulatory Information

Labelling Classification Harmful.

Label Symbols

Xn



Risk & safety Phrases Risk of serious damage to eyes. Do not breath dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

EEC Number 215-138-9

## 16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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